

OIL SPILL RESPONSE REPORT
FOR
PLAINS PIPELINE MIDLAND, TEXAS
3 MILES NORTHEAST OF INTERSECTION OF
TEXAS HIGHWAYS 137 AND 158
GARDEN CITY, GLASSCOCK COUNTY, TEXAS

Prepared for

U.S. Environmental Protection Agency Region 6
Linda Carter, Project Officer
1445 Ross Avenue
Dallas, Texas 75202

Contract No. 68-W-01-005
TDD No. 06-05-04-0002
WESTON W.O. No. 12632.001.300.0591.01
NRC No. 754786
CERCLIS No. N/A
FPN E05671
EPA OSC Rita Engblom
START-2 FTL Todd Wolfard

Submitted by

Weston Solutions, Inc.
Robert Beck, P.E., Program Manager
70 NE Loop 410, Suite 600
San Antonio, Texas 78216
(210) 308-4300

21 July 2005

PROJECT SUMMARY

This final report describes the U.S. Environmental Protection Agency (EPA) response actions at the Plains Pipeline Oil Spill. The site is located approximately 3 miles northeast of the intersection of Texas Highways 158 and 137, and approximately 11 miles west of Garden City, Glasscock County, Texas. The detailed report follows this page, and all attachments are provided as separate portable document format (PDF) files. At approximately 1728 hours on 4 April 2004, the National Response Center (NRC No.754786) notified the EPA Region 6 Response and Prevention Branch (EPA-RPB) of a 995-barrel crude oil discharge from a 6-inch gathering line. The Superfund Technical Assessment and Response Team (START-2) was activated by the EPA-RPB to respond to the site and to initiate all relevant response activities. START-2 members Todd Wolfard and Jeff McCully arrived at the incident site on 5 April 2005, along with a representative from the Texas Railroad Commission (RRC). The EPA START-2 tasks included responding to the incident; performing an oil spill investigation; and providing written and photographic documentation of response activities. After observing cleanup activities by the potentially responsible party (PRP)-led contractors, EPA On-scene Coordinator (OSC) Rita Engblom released the START-2 members from the site on 5 April 2005.

This final report was prepared by Weston Solutions, Inc. under Contract No. 68-W-01-005 for EPA Region 6. The EPA OSC was Rita Engblom, and the START-2 Field Team Leader was Todd Wolfard.

☐

The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

☒

The EPA Task Monitor has provided final approval of this report. Therefore, Weston Solutions, Inc. has submitted this report with the Task Monitor's approval.

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EMERGENCY RESPONSE REPORT

PROJECT SUMMARY

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1. PROJECT IDENTIFICATION

Date: 31 July 2005

To: Rita Engblom, On-scene Coordinator (OSC)
U.S. Environmental Protection Agency (EPA)
Region 6, Response and Prevention Branch

Through: Linda Carter, Project Officer (PO)
EPA Region 6, Program Management Branch

Through: Robert Beck, P.E., Weston Solutions, Inc. (WESTON®)
EPA Region 6, Superfund Technical Assessment and Response Team (START-2)
Program Manager

From: Todd Wolfard, WESTON
EPA Region 6, START-2 Field Team Leader

Subject: Oil Spill Response: Plains Pipeline Midland, Texas
3 Miles Northeast of Intersection of Texas Highway 137 and 158
Garden City, Glasscock County, Texas
TDD. No. 06-05-04-0002
W.O. No. 12632.001.300.0591.01
NRC No. 754786
FPN E05671
CERCLIS ID N/A
Latitude 31.89435° North
Longitude 101.66821° West

Geographic coordinates of the breakpoint in the pipeline were determined by START-2 members using the hand-held Global Positioning System based on the World Geodetic System – 1984 (WGS-84) with accuracy estimated at +/- 50 feet circular probable error.

2. INTRODUCTION

On 4 April 2004, Plains All American Pipeline, the potential responsible party (PRP), notified the National Response Center (NRC No. 754786), and the NRC notified the EPA Region 6 Response and Prevention Branch (EPA-RPB) of an oil spill approximately 11 miles west of Garden City, Glasscock County, Texas. At 1816 hours on 4 April 2004, the EPA-RPB notified WESTON, the Region 6 START-2 contractor, to perform a spill investigation and to initiate all relevant response activities. The oil spill occurred from a 6-inch gathering line owned by Plains

All American Pipeline. According to the PRP, the compromise occurred in the gathering line where corrosive additives, mixed with crude oil, settled within a depression.

3. BACKGROUND

The incident site is located approximately 3 miles northeast of the intersection of Texas Highways 158 and 137 in a rural area 11 miles west of Garden City, Glasscock County, Texas. The 6-inch gathering line leads to Plains All American Pipeline Powell Station breakout station located on Texas Highway 158, approximately 2.5 miles east of Texas Highway 137. The oil spill occurred in an intermittent stream that flows into Thirty-six Draw. Thirty-six Draw then flows into Dewey Lake, which has no outlet.

4. ACTIONS TAKEN

On 5 April 2004, START-2 members Todd Wolfard and Jeff McCully mobilized to conduct an oil spill investigation. A PRP representative stated the oil discharge was identified during a pipeline flyover at approximately 0935 hours on 4 April 2005, and the pipeline was immediately shutdown. The pipeline breakpoint was then clamped at approximately 1400 hours the same day.

The PRP representative stated approximately 995 barrels of sweet crude oil had discharged into an intermittent stream containing no standing water. PRP-led crews had already removed 964 barrels of sweet crude oil utilizing four vacuum trucks prior to START-2 arrival. The product was then transferred to a 10,000-barrel breakout tank at Powell Station.

PRP-led contractors utilized a back hoe to perform trenching to approximate the extent of migration on and into the soil. PRP-led contractors excavated one trench, approximately 5 feet in depth and 20 feet in length, to expose the compromised section of the gathering line. The PRP then excavated three more trenches, also approximately 5 feet in depth and 20 feet in length, one each at approximately 30 feet east, 200 feet west, and 230 feet west of the breakpoint. The PRP-led contractors used a field screening device to further approximate the extent of total petroleum hydrocarbon (TPH) migration. No crude oil was visually observed within the trenches beyond a depth of 5 feet by START-2. Two bulldozers and one track hoe were utilized to stage impacted soil on visqueen at the site. The Texas Railroad Commission (RRC) coordinated soil sampling

and on-site oil remediation plans with the PRP. START-2 observed no free flowing crude while at the site, only oil-stained soil. The visually affected area was approximately 25 feet by 230 feet. EPA OSC Engblom released START-2 from the site on 5 April 2005.

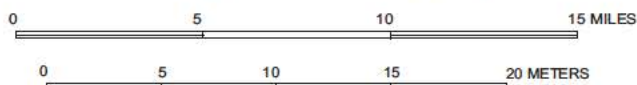
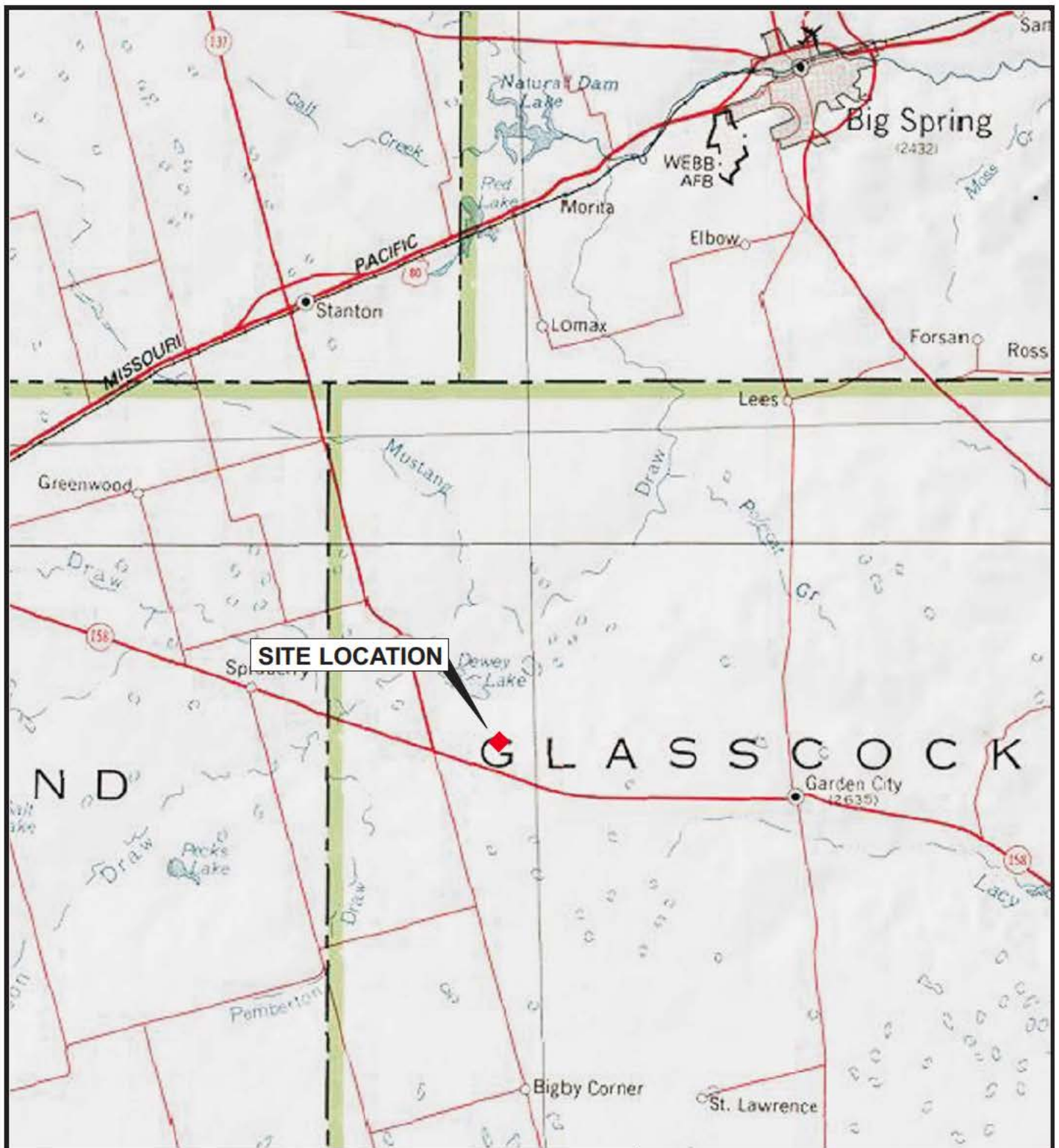
On 7 July 2005, START-2 contacted the PRP representative via telephone for an update on the site cleanup activities. The PRP representative stated that all work had been completed on the site. Approximately 200 feet of the compromised pipeline was replaced in order to level the depression in the pipeline. Soil and groundwater sampling had been performed at the site for laboratory analysis (Attachments H and I). The laboratory tested for TPH, benzene, toluene, ethyl benzene, and xylene in both soil and groundwater samples. Based on laboratory results, no groundwater contamination was observed. The laboratory confirmed that the soil sampling collected from the floor and walls of the excavated area were below detectable limits. A total of approximately 10,000 cubic yards of impacted soil had been staged and was remediated on-site with RRC approval.

This final report was prepared as part of the requirements of the TDD and serves as documentation of work completed to date.

5. LIST OF ATTACHMENTS

- A. Site Location Map
- B. Site Area Map
- C. Site Sketch
- D. Photographs
- E. Copy of NRC Report No. 754786
- F. Copy of POLREP
- G. Copy of Logbook
- H. Copy of PRP Soil and Groundwater Sampling Diagrams
- I. Copy of PRP Analytical Results
- J. Copy of TDD No. 06-05-04-0002

ATTACHMENT A
SITE LOCATION MAP



**US EPA REGION 6
START-2**

**ATTACHMENT A
SITE LOCATION MAP
PLAINS PIPELINE**

GARDEN CITY, GLASSCOCK COUNTY, TEXAS

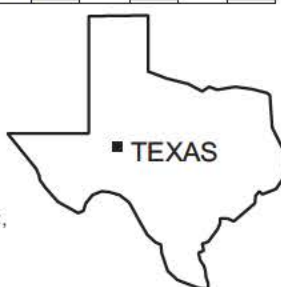
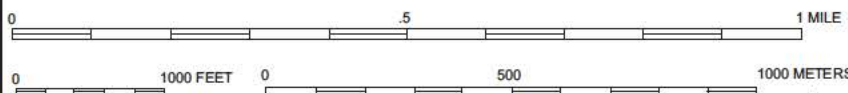
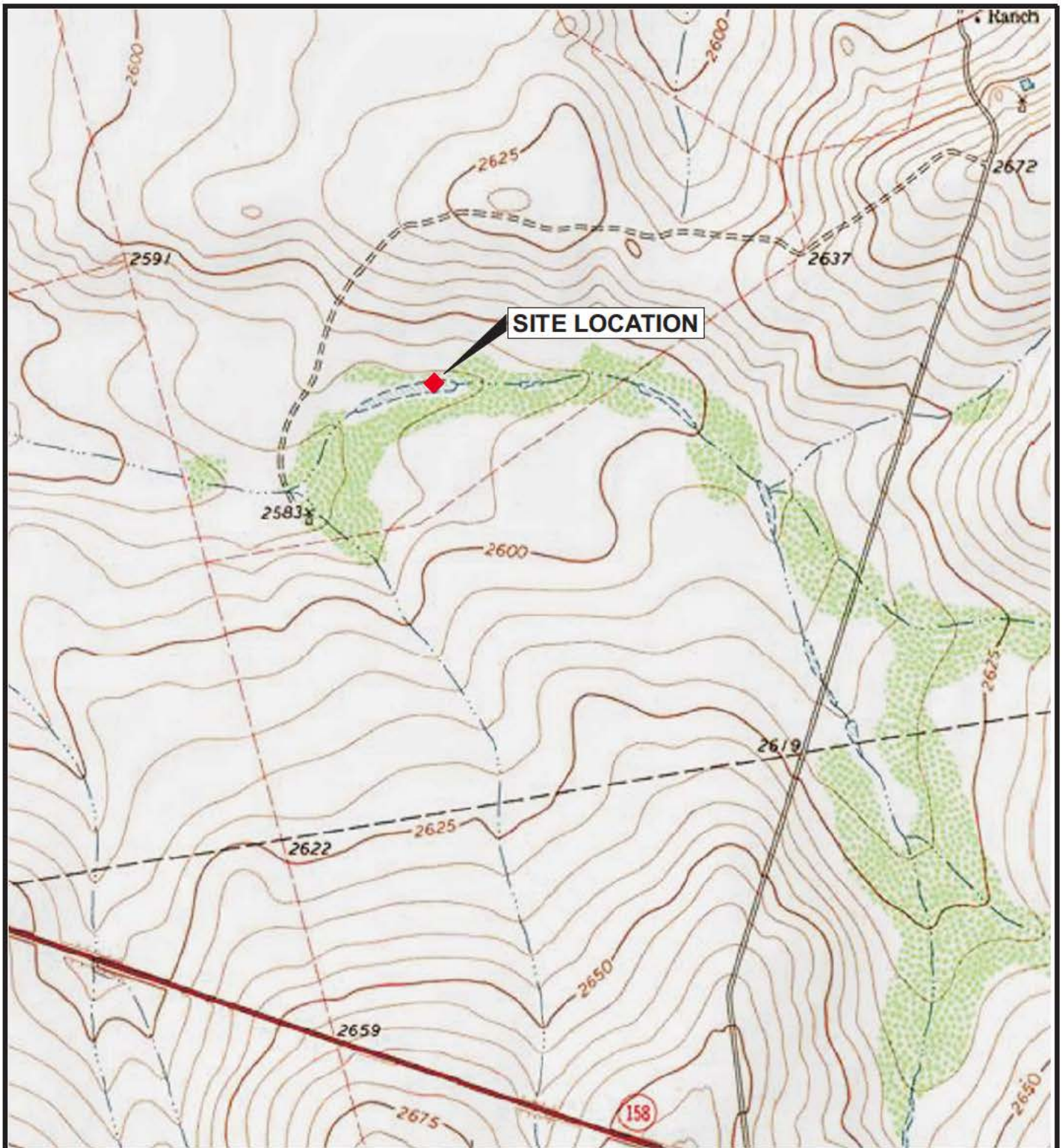
DATE:
JULY 2005

W.O. #
12632.001.300.0591

SCALE:
AS SHOWN

ATTACHMENT B

SITE AREA MAP



SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC,
DEWEY LAKE NE, TEXAS
NRC No. 754786
TDD No. 06 05 04 0002



**US EPA REGION 6
START-2**

**ATTACHMENT B
SITE AREA MAP
PLAINS PIPELINE**

GARDEN CITY, GLASSCOCK COUNTY, TEXAS

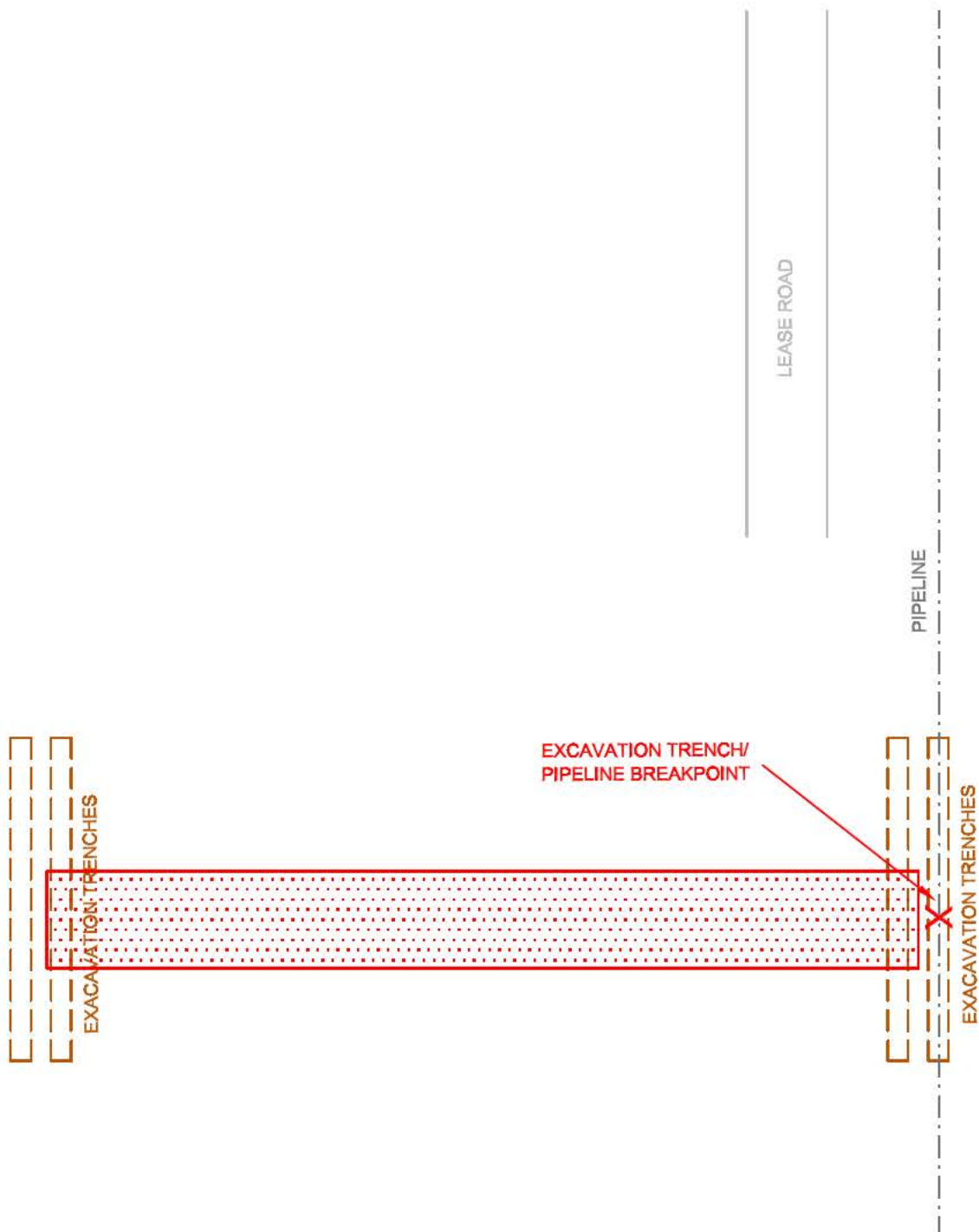
DATE:
JULY 2005

W.O. #
12632.001.300.0591

SCALE:
AS SHOWN

ATTACHMENT C

SITE SKETCH



LEGEND:



VISUALLY OBSERVED
OIL STAINED AREA



PIPELINE



**US EPA REGION 6
START-2**

**ATTACHMENT C
SITE SKETCH
PLAINS PIPELINE**

GARDEN CITY, GLASSCOCK COUNTY, TX

DATE:
JULY 2005

W.O. #
12632.001.300.0591

SCALE:
NOT TO SCALE

ATTACHMENT E

COPY OF NRC No. 754786

NATIONAL RESPONSE CENTER - PUBLIC REPORT

Incident Report # 754786

INCIDENT DESCRIPTION

*Report taken by: CIV THREATT at 18:28 on 04-APR-05
Incident Type: PIPELINE
Incident Cause: EQUIPMENT FAILURE
Affected Area: DRY CREEK BED
The incident occurred on 04-APR-05 at 09:35 local time.
Affected Medium: WATER DRY CREEK BED, SOIL

SUSPECTED RESPONSIBLE PARTY

Name: JIMMY BRYANT
Organization: PLAINES PIPELINE
XX
PRIMARY Phone: (432)2389841
Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

6 MILES N.E. OF INTERSECTION 137 & 158 County: GLASSCOCK City: MIDLAND State:
TX Distance from City:
Direction from City: S Latitude: 31 Degrees 53' 1" N
Longitude: 101 Degrees 40' 0" W POWELL 6 INCH GATHERING, MYERS DRAW

RELEASED MATERIAL(S)

CHRIS Code: OIL Official Material Name: OIL: CRUDE
Also Known As:
Qty Released: 995 BARREL(S) Qty in Water: 995 BARREL(S)

DESCRIPTION OF INCIDENT

THE MATERIAL RELEASED FROM A 6 INCH PIPELINE DUE TO INTERNAL CORROSION.

INCIDENT DETAILS

Pipeline Type: GATHERING
DOT Regulated: UNKNOWN
Pipeline Above/Below Ground: ABOVE
Exposed or Under Water: NO
Pipeline Covered: UNKNOWN

---WATER INFORMATION---

Body of Water: DRY CREEK BED
Tributary of: UNKNOWN
Nearest River Mile Marker:
Water Supply Contaminated: NO

DAMAGES

Fire Involved: NO Fire Extinguished: UNKNOWN
INJURIES: Hospitalized: Empl/Crew: Passenger:
FATALITIES: Empl/Crew: Passenger: Occupant:
EVACUATIONS: Who Evacuated: Radius/Area:
Damages:

<u>Closure Type</u>	<u>Description of Closure</u>	<u>Length of Closure</u>	<u>Direction of Closure</u>
Air:			

N

Road: N

Major
Artery: N

Waterway: N

Track: N

Passengers Transferred:

Media Interest: NONE Community Impact due to Material: NO

REMEDIAL ACTIONS

LINE IS CLAMPED, AREA HAS BEEN PICKED UP, CLEAN UP UNDERWAY, ALL FREE PRODUCT HAS BEEN REMOVED

Release Secured: YES Release Rate: Estimated Release Duration:

WEATHER

Weather: CLEAR, 85°F

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local: TRRC

State/Local On Scene:

State Agency Number: 2911

NOTIFICATIONS BY NRC

HSEES PROJECT (PRIMARY)

04-APR-05 18:34 (512)4587269

DOT CRISIS MANAGEMENT CENTER (PRIMARY)

04-APR-05 18:34 (202)3661863

EPA OEPPR (PRIMARY)

04-APR-05 18:36 (202)5643850 MOULD

U.S. EPA VI (PRIMARY)

04-APR-05 18:35 (214)6656428 ENGBLOM

FEDERAL EMERGENCY MANAGEMENT AGENCY (PRIMARY)

04-APR-05 18:36 (800)6347084 ATTN: DUTY OFFICER

GULF STRIKE TEAM (PRIMARY)

04-APR-05 18:36 (251)4416601 ATTN: DUTY OFFICER

MSO HOUSTON (PRIMARY)

04-APR-05 18:37 (713)6715100 HARPER

NATIONAL INFRASTRUCTURE COORD CTR (PRIMARY)

04-APR-05 18:34 (202)2829201

NOAA 1ST CLASS BB RPTS FOR TX (PRIMARY)

04-APR-05 18:34 (206)5266344

NATIONAL RESPONSE CENTER HQ (PRIMARY)

04-APR-05 19:27 (202)2672100 FLACH

RSPA OFFICE OF PIPELINE SAFETY (PRIMARY)

04-APR-05 18:38 HALL

TCEQ (PRIMARY)

04-APR-05 18:34 (512)2392507

ADDITIONAL INFORMATION

NO SHEEN INFORMATION.

*** END INCIDENT REPORT # 754786 ***

#####START OF SITE#####

01)Plains Pipeline, Midland, Tx
02)E05671
03)Garden City, Glasscock County, Tx
04)06-05-04-0002
05)754786

#####END OF SITE#####

#####START OF RECORD#####

01)04/05/2005
02)View of compromised section of pipeline + breakpoint; notice clamp
03)DSC00195.JPG
04)South
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00195.JPG
06)0922
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)01

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)Panoshot 1 of spill affected area and trenching
03)DSC00196.JPG
04)South
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00196.JPG
06)0923
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)01

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)Panoshot 2
03)DSC00197.JPG
04)SSW
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00197.JPG
06)0923
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)01

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)Panoshot 3
03)DSC00198.JPG

04)SW
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00198.JPG
06)0923
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)01
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Panoshot4
03)DSC00199.JPG
04)WSW
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00199.JPG
06)0923
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)01
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Panoshot 5
03)DSC00200.JPG
04)W
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00200.JPG
06)0923
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)View of vertical migration trench
03)DSC00201.JPG
04)S
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00201.JPG
06)0930
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)Overview spill pathway
03)DSC00202.JPG
04)WSW
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00202.JPG
06)0936
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)View of compromised pipeline with saddle and product
03)DSC00203.JPG
04)NNE
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00203.JPG
06)1709
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Overview of excavated soil temporary staging area
03)DSC00204.JPG
04)NNW
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00204.JPG
06)1711
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Overview of Powell Station
03)DSC00205.JPG
04)ENE
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00205.JPG
06)1835
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)View of sign stating Powell Station
03)DSC00206.JPG
04)S
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00206.JPG
06)1838
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)View of sign indicating owner Plains Pipeline
03)DSC00207.JPG
04)S
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00207.JPG
06)1839
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)View of 10,000bbl tank and secondary containment
03)DSC00208.JPG
04)SE
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00208.JPG
06)1841
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02

#####END OF RECORD#####

#####START OF RECORD#####

01)04/05/2005
02)Closeup view of tank with ID number (078940, T-8262)
03)DSC00209.JPG
04)S
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00209.JPG
06)1846
07)Jeff
08)McCully
09)Todd

10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)View of inadequate 2nd contain pipeline valve
03)DSC00210.JPG
04)SE
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00210.JPG
06)0210
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)View of trench and stained soil at pipeline cleanup valve
03)DSC00211.JPG
04)WNW
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00211.JPG
06)1925
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)View of leaky ball joint at mixer on S-side tank
03)DSC00212.JPG
04)N
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00212.JPG
06)1926
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Gap in base of western side tank (4"x 2")
03)DSC00213.JPG
04)E
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\DSC00213.JPG
06)0213

07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Panoshot of facility (Powell Station)
03)DSC00214.JPG
04)SE
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06)1929
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)1
12)02
#####END OF RECORD#####

#####START OF RECORD#####
01)04/05/2005
02)Panoshot2
03)DSC00215.JPG
04)S
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06)1929
07)Jeff
08)McCully
09)Todd
10)Wolfard
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#####START OF RECORD#####
01)04/05/2005
02)Panoshot 3
03)DSC00216.JPG
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07)Jeff
08)McCully
09)Todd
10)Wolfard
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02)Pano
03)Pano196200.jpg

04)
05)Z:\TeamLink\REVIEW\Plains Pipeline Midland, TX\Attachment D\Pano196200.jpg
06)0923
07)Jeff
08)McCully
09)Todd
10)Wolfard
11)
12)
#####END OF RECORD#####



5 8:35AM



5 8:22AM



5 8:23AM



5 8:23AM



5 8:23AM



5 8:23AM



5 8:23AM



5 8:30AM



5 8:36AM



5 4:09PM



5 4:11PM



5 5:35PM

DANGER

CONTAINS BENZENE
CANCER HAZARD

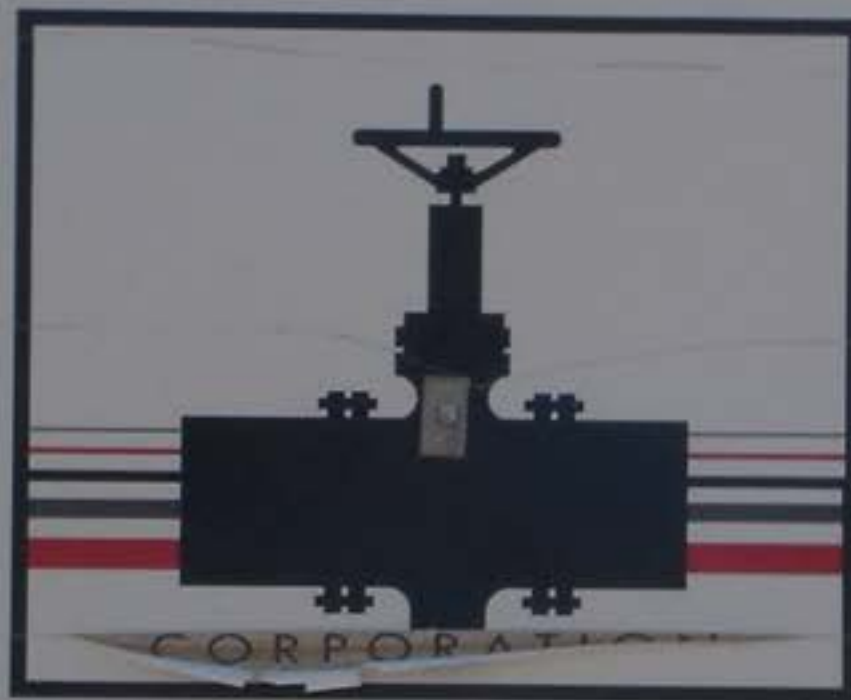
DANGER

ABOVE GROUND
PIPING

CAUTION

EQUIPMENT STARTS
AUTOMATICALLY

PJWELL ST ION



DANGER

HYDROGEN
SULFIDE GAS
MAY BE PRESENT

DANGER

NO
SMOKING

NO
TRESPASSING

IN CASE OF EMERGENCY
CALL:
1-800-708-5071

5 5:38PM

BEFORE MOVING
TRUCK. WATCH
OVERHEAD POWER
LINES.



PLAINS MARKETING, L.P.

CRUDE OIL

CAUTION

ATTACH
BONDING CABLE

WARNING

FULLY DISCONNECT
PRIOR TO
DEPARTURE

DANGER

BENZENE
CANCER HAZARD

DANGER

H₂S GAS
MAY BE PRESENT
AT THIS LOCATION

5:53PM

NO SMOKING



CAUTION
THIS UNIT MAY
START
AUTOMATICALLY
AT ANY TIME

5 5:41PM

CRUDE OIL

078940

T-8262



5 5:45PM



5 6:24PM



5 6:25PM







5 6:28PM



DANGER
DANGER
DANGER
CAUTION
P. WELL STATION
DANGER
DANGER
NO TRESPASSING
IN CASE OF EMERGENCY
CALL
1-800-752-5074

5 6:28PM



5 6:29PM



ATTACHMENT F

COPY OF POLREPS

**United States Environmental Protection Agency
Region VI
POLLUTION REPORT**

Date: Tuesday, April 05, 2005

From: Rita Engblom, On-Scene Coordinator

To: Ragan Broyles, Response and Prevention Debbie Dietrich, OSWER
Branch
John Tintera, Texas Rail Road Commission

Subject: Initiation of Action
Plains Midland
6 Miles N.E. of Intersection 137 and 158, Midland, TX
Latitude: 31.8836
Longitude: -101.6667

POLREP No.:	1	Site #:	06ZB
Reporting Period:		D.O. #:	
Start Date:	4/4/2005	Response Authority:	OPA
Mob Date:	4/4/2005	Response Type:	Emergency
Completion Date:		NPL Status:	
CERCLIS ID #:		Incident Category:	
RCRIS ID #:		Contract #	
FPN#	E05671	Reimbursable Account #	

Site Description

At approximately 0935 hours on 4 April 2005, a pilot performing a pipeline flyover identified an oil spill within Myers Draw, approximately 3 miles northeast of the intersections of Texas Highways 158 and 137, and approximately 11 miles west of Garden City, Glasscock County, Texas. The pipeline pilot was a contractor for Plains Pipeline (located in Midland, Texas), the potential responsible party (PRP). At 1728 hours, on 4 April 2004, a PRP representative notified the NRC (NRC # 754786) about the discharge of approximately 995 barrels of crude oil from a six-inch, non-transportation-related, above ground gathering line. The gathering line leads to the Plains Pipeline's Powell Station breakout facility located on Texas Highway 158, approximately 2.5 miles east of Texas Highway 137. The nearest intermittent stream to Myers Draw is Mustang Creek, approximately 3.8 miles northwest of the breakpoint.

Current Activities

On 4 April 2005, upon notification by the NRC, EPA activated the EPA Superfund Technical Assessment and Response Team (START-2) to the site to perform a spill investigation and to meet with PRP representatives on 5 April 2005. On 5 April 2005, START contractors coordinated with Railroad Commission of Texas (RRC) representative David Lovelittle and PRP representative Jimmy Bryant. Mr. Bryant stated that approximately 995 barrels of sweet crude oil discharged from the compromised section of gathering line. Mr. Bryant attributes the compromise of the gathering line to corrosive additives added to the crude oil that had settled within a depression of the gathering line. Three PRP-led cleanup contractors were on-site upon arrival. On 4 April 2005, approximately 964 barrels of crude oil were recovered by a total of six PRP-led cleanup contractors from B&H Maintenance and Construction, E&A Environmental, and Basic Energy, utilizing four 130 barrel capacity vacuum trucks. The crude oil was then pumped into the breakout tank located at Powell Station. Mr. Bryant stated that the gathering line was deactivated immediately following

the discovery of the oil spill, and that the breakpoint in the line was clamped by 1400 hours. On 5 April 2005, PRP-led contractors utilized a backhoe to perform trenching in order to approximate the extent of migration on and into the soil. PRP-led contractors excavated one trench, approximately five-feet in depth, to expose the breakpoint and compromised section of gathering line and three trenches (also approximately five-feet in depth), each approximately 30 feet east, 200 feet west, and 230 feet west, respectively from the breakpoint. No crude oil was observed within the trenches at a depth of five-feet. START-2 observed no free flowing crude oil during the course of the oil spill investigation.

The Myers Draw is a dry, shallow depression. START observed the affected area to be approximately The affected area is approximately 25 feet by 230 feet.

Next Steps

PRP-led contractors will continue to perform field screening to further approximate the extent of migration on and into the soil, later to be verified by laboratory analysis. Additional PRP-led contractors will arrive today with two dozers and one track-hoe to further expedite cleanup activities, including excavating oil-affected soil. The PRP also plans to remove, replace, and level approximately 200 feet of gathering line (including the compromised section). According to an RRC representative, RRC will coordinate soil sampling and on-site oil remediation plans with the PRP.

Key Issues

- The water table is reportedly 150 feet deep.
- START-2 performed a facility inspection on Powell Station

www.epaossc.net/plainsMidland

**United States Environmental Protection Agency
Region VI
POLLUTION REPORT**

Date: Tuesday, June 14, 2005

From: Rita Engblom, On-Scene Coordinator

To: Ragan Broyles, Response and Prevention Debbie Dietrich, OSWER Branch
John Tintera, Texas Rail Road Commission

Subject: Final POLREP
Plains Midland
6 Miles N.E. of Intersection 137 and 158, Midland, TX
Latitude: 31.8836
Longitude: -101.6667

POLREP No.:	2	Site #:	06ZB
Reporting Period:		D.O. #:	
Start Date:	4/4/2005	Response Authority:	OPA
Mob Date:	4/4/2005	Response Type:	Emergency
Completion Date:	6/14/2005	NPL Status:	Non NPL
CERCLIS ID #:		Incident Category:	Removal Assessment
RCRIS ID #:		Contract #	
FPN#	E05671	Reimbursable Account #	

Site Description

At approximately 0935 hours on 4 April 2005, a pilot performing a pipeline flyover identified an oil spill within Myers Draw, approximately 3 miles northeast of the intersections of Texas Highways 158 and 137, and approximately 11 miles west of Garden City, Glasscock County, Texas. The pipeline pilot was a contractor for Plains Pipeline (located in Midland, Texas), the potential responsible party (PRP). At 1728 hours, on 4 April 2004, a PRP representative notified the NRC (NRC # 754786) about the discharge of approximately 995 barrels of crude oil from a six-inch, non-transportation-related, above ground gathering line. The gathering line leads to the Plains Pipeline's Powell Station breakout facility located on Texas Highway 158, approximately 2.5 miles east of Texas Highway 137. The nearest intermittent stream to Myers Draw is Mustang Creek, approximately 3.8 miles northwest of the breakpoint.

On 4 April 2005, upon notification by the NRC, EPA activated the EPA Superfund Technical Assessment and Response Team (START-2) to the site to perform a spill investigation and to meet with PRP representatives on 5 April 2005. On 5 April 2005, START contractors coordinated with Railroad Commission of Texas (RRC) representative David Lovelittle and PRP representative Jimmy Bryant. Mr. Bryant stated that approximately 995 barrels of sweet crude oil discharged from the compromised section of gathering line. Mr. Bryant attributes the compromise of the gathering line to corrosive additives added to the crude oil that had settled within a depression of the gathering line. Three PRP-led cleanup contractors were on-site upon arrival. On 4 April 2005, approximately 964 barrels of crude oil were recovered by a total of six PRP-led cleanup contractors from B&H Maintenance and Construction, E&A Environmental, and Basic Energy, utilizing four 130 barrel capacity vacuum trucks. The crude oil was then pumped into the breakout tank located at Powell Station. Mr. Bryant stated that the gathering line was deactivated immediately following the discovery of the oil spill, and that the breakpoint in the line was clamped by 1400 hours.

Current Activities

According to the PRP, on 14 April 2005, PRP-led contractors performed field screening and began soil and groundwater sampling and arranged for soil and groundwater sample laboratory analysis to determine the extent of crude oil migration on and into the soil. Soil samples were taken to a maximum depth of 14-feet. Oil-affected soil was then excavated. Approximately 200 feet of gathering line was removed, replaced, and leveled, including the compromised section of pipeline.

Next Steps

According to PRP and RRC representatives, the PRP will continue to coordinate remediation plans with RRC.

Key Issues

N/A

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ATTACHMENT G

COPY OF LOGBOOK

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HORIZONTAL LINE

All-Weather Notebook
No. 391



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6 32281 39111 1

Plains Pipeline Midland, Tx
6 Miles NE of Intersection 137+158
Garden City, Glasscock Co., Texas
NRC# 754786, FPN E05671

4 5/8" x 7" - 48 Numbered Pages

WO#: 02632.001.300.0591.01
TDD: 06-05-04-0002

49342
FORESTRY SUPPLIES



RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
DISTRICT 8 & 8A

DAVID LOVELADY
Engineering Technician

10 Desta Dr. Suite 500 E
Midland, Texas 79705-4515

(432) 684-5581
FAX (432) 684-6005

If found Name 1000 VIOLET U (R1)
Please Return to Jeff McCully (R2)
Address 160 Dallas Parkway Ste 850
Dallas, Tx 75254
Phone (469) 374-7724

Project Plains Pipeline, Midland Tx.
Midland (Garden City) Glasscock Co., Texas



PLAINS
ALL AMERICAN

Jimmy L. Bryant
Environmental Coordinator

1301 S. County Road 1150 (79706)
P.O. Box 3371
Midland, TX 79702

Phone: 432-682-5392
Fax: 432-687-4914
Cellular: 432-238-9841
Pager: 432-560-8448
Residence: 432-683-3647
jlbryant@paalp.com

04/04/05

06-05-04-0002

CONTENTS

PAGE

REFERENCE

DATE

Contacts

EPA OSC Rita Engdorn
(214) 789-2302 / (214) 665-2341

PRP

Plains Pipeline

Derrick Robinson (432) 661-9854

Jimmy Bryant (432) 238-9841

Railroad Commission of TX.
David Lovelady (432) 684-5581

End of

Page

Jeff McCully

04/04/05 06-05-04-0002
1816 START-2 receives a notification from EPA-RPB via one call system of an oil spill of approx 995 barrels of crude oil near Darden City, Texas. Todd Wolford is the START-2 R1, Jeff McCully is the R2 and the EPA OSC is Rita Engblom. Rita Engblom mobilizes START-2 for a tier 1 response. The NRC # is 754786.
1915 START-2 Wolford speaks with Plains Pipeline (the PRP) rep Derrick Robinson that the oil is in a dry creek bed (contained) & that most of the crude oil has been removed. Mr. Robinson's phone no is (432) 661-9854. Mr. Robinson reports that the oil spill occurred approx 2 miles east of I & Hwy 137 & 158, on the right side of a 10,000 bbl. tank. Mr. Robinson is to meet w/ START-2 at the aforementioned location @ 0800 on 04/05/05.

04/04/05 06-05-04-0002
1930 EPA Rita Engblom convey to START-2 Wolford following consultation w/ EPA Craig Caspell, that only 2 responders will proceed to the ER and that a third responder (for data) will not be permitted.
2030 As because START-2 did not have enough time to make the last Southwest Airlines plane to Midland, TX (2015) START-2 mobilizes truck X02.
2253 According to the NRC Report (# 754786) the spill occurred at approx. 0935 hours as a result of equipment failure, specifically, the crude oil discharged from a 6-inch pipeline due to internal corrosion. The pipeline is an above ground gathering line. According to the NRC report, the gathering line has been clamped, and a feed up; cleanup underway, & free oil has been removed. The weather at time of

4
04/04/05 06-05-04-0002
2253 (crit) was approx 75°F & clear. The
NRC report was provided by Jimmy
Bryant of Plains Pipeline (the P2P),
phone number (432) 238-9841.
2335 START-2 will arrive @ hotel in
Big Spring after midnight.

End of
Page

[Signature]

5
04/05/05 06-05-04-0002
0735 START-2 leaves hotel in Big Spring
to drive to oil spill site.
0745 START-2 Walter calls PR rep.
Derrick Robinson to acquire specific
direction. From I-20 in Big Spring
take Hwy 87 S to Tx Hwy 33 SW
to Tx Hwy 158 W to Hwy 137 N
to Tx Hwy 137. Turn 2.5 miles before (East of
137 @ site of 10,000 bbl storage (crude
oil) tank at North entrance to [Lyt 60]
Powell 17 Lease N31 87494° N/
101.65500° W). START to meet @ 0845.
0835 START-2 has arrived @ entrance to
Powell 17 Lease & has twice called
PRP & received NO answer.

Health & Safety Meeting

Forecast Highs to Wed 70s Winds 30-40 mph
R: 6
Phys JM
Chem
RAD

End of Page

[Signature] JM 04/05/05

06/05/05

06-05-04-0002

0953 START-2, center on w, PRP Bryant for escort to site.

Health & Safety meeting 0911

BIO: Parasites, snakes, spiders, scorpions, insects, & Arachnids, BGP

Phys: Windy Conditions, STF

Chem: TPH, PAHs, BTEX, etc.

Rad: NORM, UV

W: 62°F, partly cloudy, winds minimal

Water Forecast: Partly Cloudy, no rain

Duties: perform oil spill investigation, site photo and written documentation, pass papers, sec top.

FTL Todd Wolfand

SAFFL Jeff McElly

Hazard communication was discussed w, PRP rep J. Bryant

Hospital Route & additional details can be found in START-2 HASP

Camera model to be found in photo log

GPS model to be found in WPT Coord Log

End of Page

Jeff McElly

06/05/05

06-05-04-0002

0911 START-2 meets w, PRP rep. Jimmy Bryant w, Plains Pipeline, Midland

Mr. Bryant states that discharge occurred @ 0935 hours, dis c.

by flyover @ 0935 hours.

Mr. Bryant said this was,

not discharged 5 days ago, which,

he was last at site. He's not

sure when it actually occurred.

He says that water table is ~

150ft deep. He said ~ 96% bbl

sweet crude recovered. (Estimated)

approx 1000 bbl discharged

A trench has been excavated (Tc 2)

@ point of discharge (~ 5ft deep).

A second trench dug ~ 30ft east of bp.

w/ no crude present (Trench #1)

This 6-inch gathering line (~ 12

yr old) leads to a break out

tank near Garden City. The

line was clamped ~ 100 hours.

A third trench ~ 20ft west of break out.

A fourth trench ~ 20ft west of Tc 3.

PRP Robinson is taking 1 soil sample

for field assessment for future clean up

04/05/05 06-05-04-0002
 0925 RP Rep. Bryant says that
 PRC-led team will arrive to
 dig out section of the gathering
 line in next 2 days to level
 it. He thinks there is gas
 in the line & additives have settled & eroded.
 0942 Mr. Robinson analyzes soil sample
 w/ GAC General Indus. Corp.
 Hydrocarbon Analyzer (infrared).
 The sample was collected in 2oz
 glass jar. RRC near site. Mr.
 Bryant left to meet RRC escort.
 Mr. Robinson is a PRC contractor
 w/ B&H. There are 2 trackhoes
 onsite, 1 in operation. B&H
 maintenance & construction of M. Road
 0952 Mr. Bryant states the following to START-2.
 Four vac trucks & 3 cont. 1 RRC (130 bbl)
 Recovered oil to Powell Station
 Landowner doesn't want much
 damage & wants excavated soil
 placed on road & replaced w/
 clean soil. Trey Robbins is the landowner.
 (Am) 5055. EPA contractor
 in Lake George was onsite Monday.

04/05/05 06-05-04-0002
 0947 cont. Sat PM PRC personnel facility
 cleanup on Monday. Four personnel
 today (Bryant, Robinson, Rother B&H)
 Gary Gee (432) 770-0832 Ops Sup
 Howard Thomas (432) 559-0840 Director.
 Gary Gee was onsite Monday.
 0949 Mr. Bryant calls Mr. Gee. Pipeline
 flows to Powell Station near Lege
 Entrance. Mr. Bryant says that
 2 dozers & 1 trackhoe will arrive
 today to prep for excavation activities.
 0958 The RRC is analyzing spill site, David
 Lovejoy of Midland (David Lovejoy)
 1000 START-2 conveys to Bryant that
 we'll contact EPA or RRC
 Engstrom & will contact him by
 phone or will return to site.
 1002 START-2 leaves site to obtain
 cell coverage for transmission of
 facts & data.
 1115 START-2 arrives at hotel for data transfer.
 1125 START-2 Wolford notices Lake site
 has yet to be started by EPA
 Engstrom; Wolford calls & left message.
 1126 START-2 notices pipeline is buried, spotted & RRC workers

04/05/05

06-05-04-0002

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Page

McNally

04/05/05 WPT Coordinate Log 06-05-04-0002

WPT	COORD	Description
060	N31.87494/W101.65888	Entrance Powell 17 Lease
061	N31.89433/W101.66887	Trench 4, western-most.
062	N31.89426/W101.66872	Trench 3, east of 4.
063	N31.89435/W101.66821	Trench 2 + breakpoint
064	N31.89431/W101.66805	Trench 1, East of 2.
065	N31.87707/W101.66779	Powell Station
066	N31.89481/W101.66805	Temp. Soil Sample area.

*Waypoints 060 thru were acquired
w/ Garmin GPS Map 76CS, # BA A677
WGS 84, ± on 04/05/05
by START-2 Jeff McNally Jm

End of

Page

Jeff McNally

04/05/05

06-05-04-0002

1610 START-2 leaves hotel to meet w/
PRP reps + conduct SECC inspection.

1710 START-2 returns to govt/15.7c.

PRP contractors have left for day.

Free product is observed beneath
pipeline depth 8 ft. pool is
3 ft x 6 ft x 2". Black poly sheeting under

Excavated soil ≈ 100 ft x 10 ft x

8 ft. for temp. staging area

upt. 066 (1/2 of soil pile area

is ≈ 4 ft high). PRP rep Bryant

has returned to M. land.

1725 START-2 meets w/ Wayne Roberts
and Brad Everscott. Plans to explain
about SECC inspection. START-2
says that first START will inspect the
SECC Plan. Itself, is private, then get
w/ PRP for then perform the container
inspection. START explains that we do
not have Carbon copy, report
from will be faxed (in copy) to the
PRP.

1734 START-2 Wolford begins inspection of SECC Plan.

1750 START-2 Wolford consults w/ START-2
on via phone after reading SECC Plan.

04/05/05

06-05-04-0002

1855 START Wolford begins explaining

findings of SECC Plan inspection.

1925 START-2 McCully begins physical

container inspection w/ PRP +

explains findings + concerns.

START-2 McCully makes PRP aware

of improper 2nd containment on

NE corner of berm betw berm +

fence. Pipeline comes into berm.

Started soil to 10" beneath

PRP + valve (cleanout valve).

Made aware of tight package at

ball joint of mixer on S. side of

tank. Made aware of drip pan.

Lid is off + on ground. Made

aware of ≈ 4 ft x 2" tall gap

beneath tank @ base.

1950 START-2 Wolford reviews +

details complete SECC finding to

PRP, step by step, issues by 1550.

2020 START-2 complete consultation w/

PRP + demob to hotel.

McCully

End of Page

04/05/05

06-05-04-0002

04/05/05

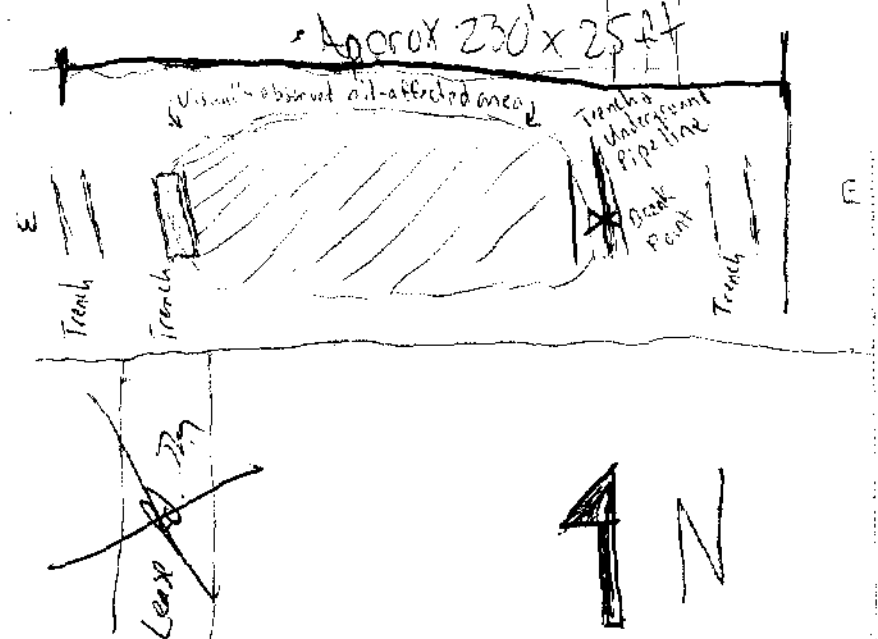
Site Sketch

06-05-04-0002

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Text

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End of Page
JAN 04/05/05

16

04/05/05 Photolog 06-05-04-0002

Photo	Time	Dir	Description
0195	0922	S	View of comp room set of ppl & breakpoint; noticed amp
0196	0923	S	Pano shot 1 of spill affected area & trench
0197	0923	SSW	Pano shot 2 " " "
0198	0923	SW	Pano shot 3 " " "
0199	0923	WSW	Pano shot 4 " " "
0200	0923	W	Pano shot 5 " " "
0201	0923	S	View of vertical manhole trench excavated (193)
0202	0936	WSW	Overview of spill pit area
0203	1709	NNE	View of compound pit area, saddle & product
0204	1711	NNW	Overview of excavated soil, kump storage area
0205	1835	ENE	Overview of Powell Station
0206	1837	S	View of sign setting Powell Station
0207	1837	S	View of sign indicating owner Main St
0208	1841	SE	View of 10,000 gal tanks 2nd contain.
0209	1846	S	Closeup view of tank w/ ID no 07840, T-826
0210	1924	SE	View of Inadequate 2nd contain opp valve
0211	1925	WNW	View of trench system soil & opp cleanup valve
0212	1926	N	View of leaky ball joint mixer on S side tank
0213	1927	E	Gap in base of western side tank $\approx 4' \times 2'$
0214	1929	SE	Pano shot 1 of facility (Powell St)
0215	1929	S	Pano shot 2 of facility (Powell St)
0216	1929	SW	Pano shot 3 of facility (Powell St)

i Photos 0195-0204 taken by Tula withers JM 04/05/05

ii Photos 0205-0216 taken by JM withers TW 04/05/05

04/05/05 Photolog Cont. 06-05-04-0002
 iii All of the preceding photographs were captured using Canon model DSC-R100, Ser EPA # AL99AC

End of
Page

[Signature]

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NO TEXT

06/10/05

05-05-04-002

06/10/05
1221 OK 6m from station
06-11-05-0000
SANT-2 (via email)

Welford McCully that a
Final Report was never issued.
The OSC never asked OIAST
to create a Final report for his
in April 1980.

142C START 2 include call for
Bryant follow up. Mr Bryant
copies to send START to Respond/Persecution
Foster. Analytical results maps & site
photos showing circumstances of
documentation of RQ2 led charges to the SR
Call of these will be heard next to RBC.
We will send this on Monday 6/13/05.
1320 hours: START

14-50 will send this in mail 15-50
16-50 have entry for 1320 hours. 15-50
McCall calls JSC Engstrom who states
that Stevenson will ~~draft~~ do a final on
complete or draft a final Pol rep, so she
asks 5-10-50 to prepare the event
+ draft a final Pol rep

End of Page

[Handwritten signature]

06/13/05 06-05-04-0002
 1526 PRR Bryant emails START-2
 McCully Fig 2 Map of hydrocarbon
 concentrations in soil; Fig 3,
 Map of hydrocarbon concentrations
 in soil and water. Appendix B -
 Analytical Table (xls) and
 Appendix B - Analytical Table (pdf)

End of
 Page

John McCully

06/14/05 06-05-04-0002
 0953 START-2 McCully emails PRR Bryant
 with request for work plan on
 response, remedial, reevaluation, or
 preparatory report or summary to be
 submitted to EPA-START for
 EPA records.
 1203 START-2 McCully has completed
 the Final PRR as requested
 for this day by EPA OSC
 and has submitted
 it to EPA OSC and EPA OSC NET
 (marked as private).
 1558 EPA OSC English emails START
 McCully via EPA OSC NET the
 Final PRR (approved public).

End of
 Page

John McCully

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06/20/05

06-05-04-002
 06/20/05
 0857
 PGP Report amails START-2
 include that Plans will submit a
 "clearing report" to FSC by
 mid-July and that Plans
 will submit a copy to EPA-
 START for OPA Records.

End of
 Page

McKully

06/27/05
 1945

06-05-04-002
 START-2 McKully included OPA submission
 to EOACX.NET, marked private.

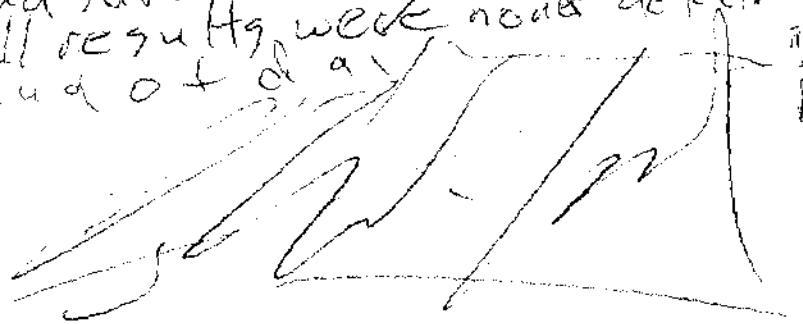
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McKully

16-05-04-2002

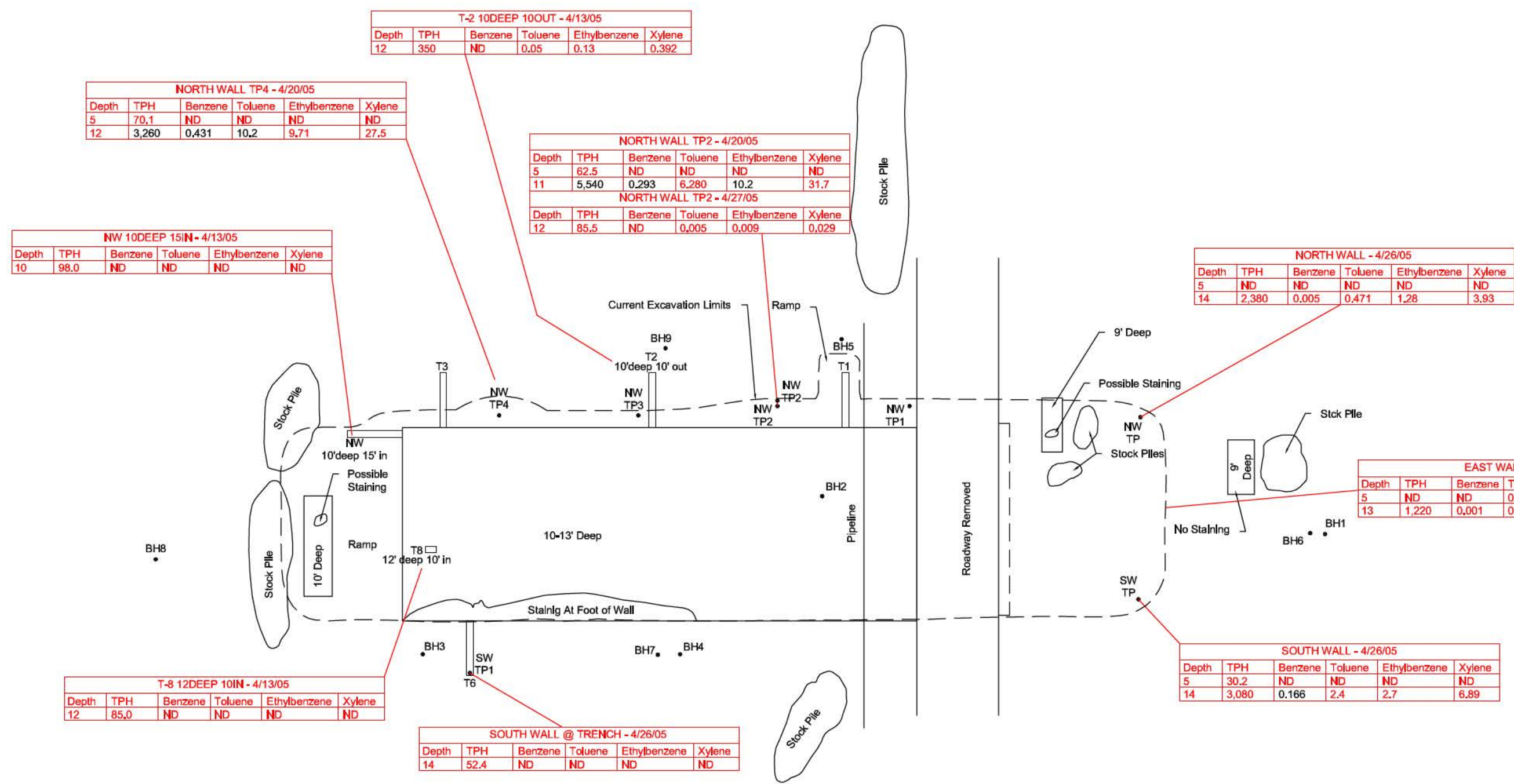
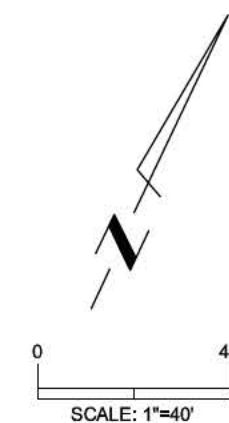
7/7/05
1430 START Wolford switches
as author of text in logbook

1431 START speaks with Jimmy
Bryant of Plains and ask for
closure report. He states that
it will be complete in about
a week. He stated that the final
numbers on the soil impacted
was $\approx 10,000$ yards. He explained
that most of this area was not
impacted but to remove oiled soil
around the breakpoint took a large
volume of unimpacted soil as well.
He stated that all oil impacted soil
only. Ground water testing was
performed in impact at the breakpoint
and surrounding the area and
all results were non-detect.
End of day



ATTACHMENT H

COPY OF PRP SOIL AND GROUNDWATER SAMPLING DIAGRAM



T-2 10DEEP 10OUT - 4/13/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
12	350	ND	0.05	0.13	0.392

NORTH WALL TP4 - 4/20/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
5	70.1	ND	ND	ND	ND
12	3,260	0.431	10.2	9.71	27.5

NORTH WALL TP2 - 4/20/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
5	62.5	ND	ND	ND	ND
11	5,540	0.293	6.280	10.2	31.7

NORTH WALL TP2 - 4/27/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
12	85.5	ND	0.005	0.009	0.029

NW 10DEEP 15IN - 4/13/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
10	98.0	ND	ND	ND	ND

NORTH WALL - 4/26/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
5	ND	ND	ND	ND	ND
14	2,380	0.005	0.471	1.28	3.93

EAST WALL - 4/26/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
5	ND	ND	0.001	ND	ND
13	1,220	0.001	0.06	0.175	0.932

SOUTH WALL - 4/26/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
5	30.2	ND	ND	ND	ND
14	3,080	0.166	2.4	2.7	6.89

SOUTH WALL @ TRENCH - 4/26/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
14	52.4	ND	ND	ND	ND

T-8 12DEEP 10IN - 4/13/05					
Depth	TPH	Benzene	Toluene	Ethylbenzene	Xylene
12	85.0	ND	ND	ND	ND

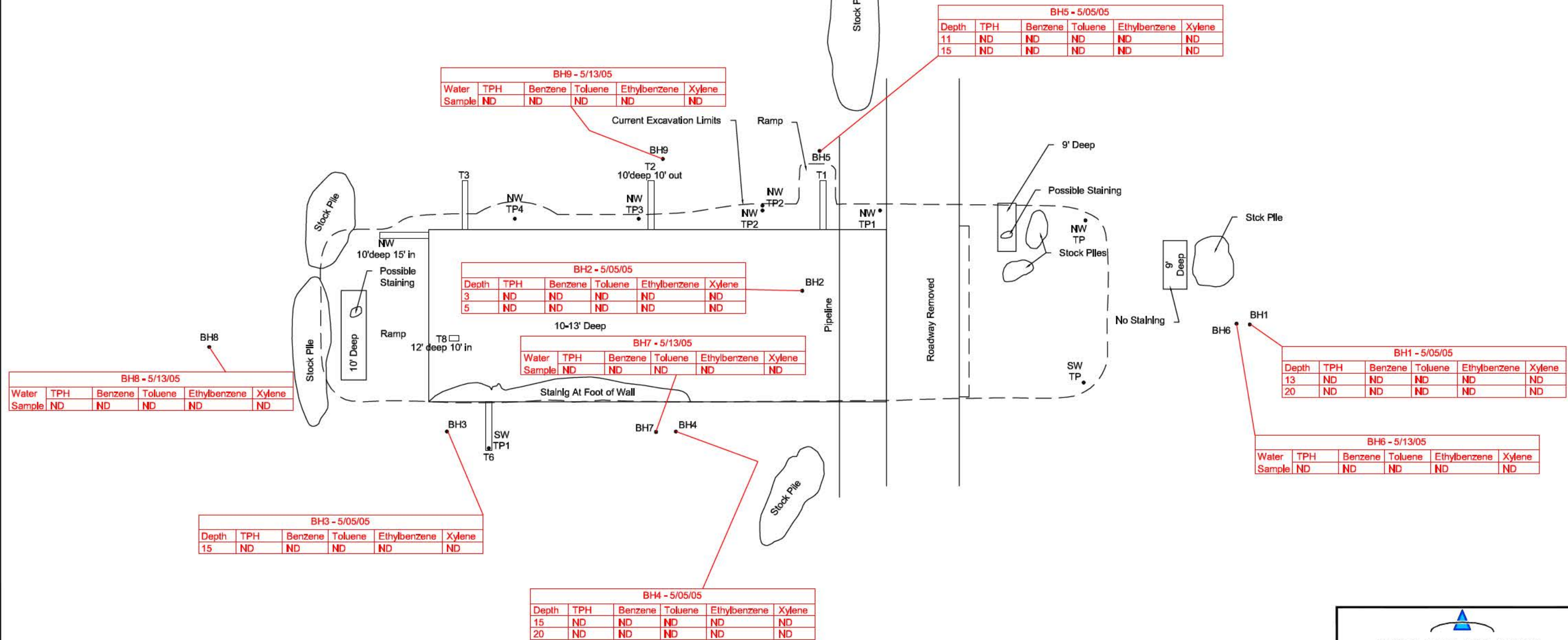
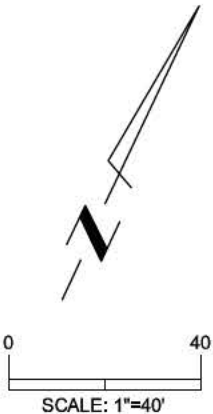
LEGEND:

- BORING AND SAMPLE LOCATION
- Benzene:** BENZENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (0.026 mg/Kg)
- Toluene:** TOLUENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (8.2 mg/Kg)
- Ethylbenzene:** ETHYLBENZENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (7.6 mg/Kg)
- Xylene:** XYLENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (120 mg/Kg)
- TPH:** TOTAL PETROLEUM HYDROCARBONS IN mg/kg Bold Concentration Exceed Regulatory Guidelines (5,000 mg/Kg)
- Depth:** DEPTH IN FEET
- ND:** NON DETECT (Below Method Detection Limits)



Figure 2
Map of Hydrocarbon Concentrations in Soil
April 2005 Initial Excavation
Plains Powell to 6"
Glasscock County, Texas
Plains Marketing L.P.

T:\PROJECT FILES\CAD Files\Powell to 5 In\205058.00-1.dwg



LEGEND:

- BORING AND SAMPLE LOCATION
- Benzene:** BENZENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (0.026 mg/Kg)
- Toluene:** TOLUENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (8.2 mg/Kg)
- Ethylbenzene:** ETHYLBENZENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (7.6 mg/Kg)
- Xylene:** XYLENE CONCENTRATION IN mg/kg Bold Concentration Exceed Regulatory Guidelines (120 mg/Kg)
- TPH:** TOTAL PETROLEUM HYDROCARBONS IN mg/kg Bold Concentration Exceed Regulatory Guidelines (5,000 mg/Kg)
- Depth:** DEPTH IN FEET
- ND:** NON DETECT (Below Method Detection Limits)



Figure 3
Map of Hydrocarbon Concentrations in Soil
and Water - May 2005 Delineation
Plains Powell to 6"
Glasscock County, Texas
Plains Marketing L.P.

PROJ. NO: 205058.00 | CK: | DATE: 04/05

ATTACHMENT I

COPY OF PRP ANALYTICAL RESULTS

TABLE 1
SOIL ANALYTICAL RESULTS
PLAINS MARKETING, L.P.
POWELL 6"
GLASSCOCK COUNTY, TEXAS

SAMPLE ID	SAMPLE DATE	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	C6-C12 (mg/Kg)	C12-C28 (mg/Kg)	C28-C35 (mg/Kg)	C6-C35 (mg/Kg)	
SOIL ANALYTICAL RESULTS		SW846 8260B				TPH (TX 1005)				
SP-1	4/14/2005	ND	0.607	1.110	3.860	483.000	4570.000	692.000	5740.000	
NW 10DEEP 15 IN	4/13/2005	ND	ND	ND	ND	15.200	82.800	ND	98.000	
T-2 10DEEP 10 OUT	4/13/2005	ND	0.050	0.130	0.392	30.600	271.000	48.500	350.000	
T-8 12DEEP 10 IN	4/13/2005	ND	ND	ND	ND	10.800	74.200	ND	85.000	
NORTH WALL TP 2@5'	4/20/2005	ND	ND	ND	ND	ND	62.500	ND	62.500	
NORTH WALL TP 2@11'	4/20/2005	0.293	6.280	10.200	31.700	1060.000	3910.000	570.000	5540.000	
NORTH WALL TP 4@5'	4/20/2005	ND	ND	ND	ND	ND	70.100	ND	70.100	
NORTH WALL TP 4@12'	4/20/2005	0.431	10.200	9.710	27.500	782.000	2180.000	302.000	3260.000	
TP 2@12'	4/27/2005	ND	0.005	0.009	0.029	ND	85.500	ND	85.500	
EAST WALL@5'	4/26/2005	ND	0.001	ND	ND	ND	ND	ND	ND	
EAST WALL@13'	4/26/2005	0.001	0.060	0.175	0.932	133.000	939.000	149.000	1220.000	
NORTH WALL@5'	4/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	
NORTH WALL@14'	4/26/2005	0.005	0.471	1.280	3.930	349.000	1770.000	260.000	2380.000	
SOUTH WALL@5'	4/26/2005	ND	ND	ND	ND	ND	30.200	ND	30.200	
SOUTH WALL@14'	4/26/2005	0.166	2.400	2.700	6.890	504.000	2230.000	345.000	3080.000	
SOUTH WALL@TRENCH@14'	4/26/2005	ND	ND	ND	ND	ND	52.400	ND	52.400	
BH1-13'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH2-3'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH2-5'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH1-20'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH3-15'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH4-15'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH4-20'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH5-11'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
BH5-15'	5/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	
REM. COMP #1	5/21/2005	ND	ND	ND	0.191	34.700	263.000	32.000	330.000	
REM. COMP #2	5/21/2005	ND	ND	ND	0.613	236.000	1610.000	211.000	2060.000	
REM. COMP #3	5/21/2005	ND	ND	ND	0.494	43.400	298.000	45.500	387.000	
REM. COMP #4	5/21/2005	ND	ND	ND	0.039	19.700	200.000	25.200	245.000	
REM. COMP #5	5/21/2005	ND	ND	ND	0.130	49.300	305.000	39.300	394.000	
COMP. OF 5 COMPOSITES	5/21/2005	ND	ND	ND	0.111	22.000	172.000	ND	194.000	
WATER ANALYTICAL RESULTS										TDS
TPH -Powell Water	4/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	240 mg/l
BH6	5/13/2005	ND	ND	ND	ND	ND	ND	ND	ND	NA
BH7	5/13/2005	ND	ND	ND	ND	ND	ND	ND	ND	NA
BH8	5/13/2005	ND	ND	ND	ND	ND	ND	ND	ND	NA
BH9	5/13/2005	ND	ND	ND	ND	ND	ND	ND	ND	NA

ND - Not detected
NA - Not analyzed

ATTACHMENT J

COPY OF TDD NO. 06-05-04-0002



U.S. EPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202 2733

START2
Technical Direction Document
Plains Pipeline, Midland, TX
Weston Solutions; Inc.

TDD: 06-05-04-0002
Contract: 68-W-01-005

TDD - Signed by Tobin Osterberg/R6/USEPA/US on 04/05/2005 01:13:12 PM, according to Cheng Wei Feng/start6/rfw-start/

Purpose: Work Assignment Initiation
Priority: High
Overtime: Yes

Period: Base Period
Verbal Date: 04/04/2005
Start Date: 04/04/2005
Completion Date: 08/31/2005

Project/Site Name: Plains Pipeline Midland, TX
Project Address: 6 MILES N.E. OF INTERSECTION 137 &
158
County: Glasscock
City, State Zip: Midland, TX 79705
SSID: V6AN **CERCLIS:**

WorkArea: RESPONSE ACTIVITIES
Activity: Oil Spill Response
FPN: E05671
Performance Based: No

Authorized TDD Ceiling:	Cost/Fee	LOE
Previous Action(s):	\$0.00	0.0
This Action:	\$11,000.00	(b) (4)
New Total:	\$11,000.00	

Specific Elements Collect facts regarding the discharge or release to include its source and cause, Identify potentially responsible parties, Analyze the nature amount and location of discharged or released materials, Analyze the probable direction and time of travel of discharged or released materials, Analyze whether the discharge is a worst case discharge in accordance with Sec. 300.324 of the NCP, Identify the pathways to human and environmental exposure, Analyze the potential impact on human health welfare and safety and the environment posed by the release of hazardous substances contaminants or pollutants and discharge of oil, Provide analysis of discharges or releases posing a substantial threat to the public health or welfare of the United States, Analyze the potential impact on natural resources and property, Document costs incurred by the contractor for the response actions, Identify active or historical facility processes or operations that may contribute to the release or threat of release of hazardous substances pollutants contaminants or discharge of oil, Observe and document federal state and private actions taken to conduct a response action, Document PRP activities and provide negotiation support, Verify PRP compliance with enforcement orders

Description of Work:

This TDD is under work assignment number 0300. NRC# 754786

Draft Polrep on OSC.net, photodocument, input information into RAIDs. This is a Tier 1 Response. Coordinate with Task Monitor Rita Engblom.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	HRC001	XXX	05	HR	06L0X00	302D91C	2505	V6AN		\$11,000.00

Funding Summary:	Funding
Previous:	\$0.00
This Action:	\$11,000.00
Total:	\$11,000.00

Funding Category

OPA Site

Task Monitor Section

- Signed by Rita Engblom/R6/USEPA/US on 04/04/2005 07:17:11 PM, according to Cheng Wei Feng/star

Task Monitor: Rita Engblom **Date:** 04/04/2005

Project Officer Section - Signed by Tobin Osterberg/R6/USEPA/US on 04/05/2005 01:13:12 PM, according to Cheng

Project Officer: Linda Carter **Date:** 04/05/2005

Contracting Officer Section - Signed by Tobin Osterberg/R6/USEPA/US on 04/05/2005 01:13:12 PM, according to C

Contracting Officer: Tobin Osterberg **Date:** 04/05/2005

Contractor Section